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Outlook

THE UNIVERSITY OF MARYLAND FACULTY AND STAFF WEEKLY NEWSPAPER
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Bill Bradley Talks about a Civil Society



Former senator and presidential hopeful Bill Bradley returns to campus Tuesday, March 9, as the guest speaker of the College of Behavioral and Social Sciences' third Civil Society lecture. The topic of his talk is "Leadership for a Civil Society."

The lecture will be held from 2:30-4 p.m. in the Grand Ballroom of the Stamp Student Union. It is free, but those planning to attend are asked to make reservations by calling 405-1679 and to be seated by 2:15 p.m.

Bradley is no stranger to the campus, having served in 1997-1998 as Distinguished Leadership Scholar and chairman of the board for the university's James MacGregor Burns Academy of Leadership. He also served as director of the Academy's National Issues Project, which recently released a series of reports and studies that considered the current state of social and political leadership in the United States and addressed community building and civic engagement as important components of the national agenda. Bradley remains a member of the Academy's board.

Joining Bradley on the stage during the March 9 lecture will be Bill Galston and Barbara Kellerman, who will respond to Bradley's remarks. Galston currently is director of the Institute for Philosophy and Public Policy within the School of Public Affairs and formerly served as assistant to the president on domestic policy in the White House and executive director of the National Commission on Civic Renewal.

Kellerman is director of the Center for the Advanced Study of Leadership at the Academy of Leadership and the author of many books, including the recent "Reinventing Leadership."

The Civil Society lecture series strives to reinvigorate, improve and sustain the quality of civil society and civic life in the United States, says Stew Edelstein, associate dean of the College of

Behavioral and Social Sciences. The series' success will be based on its ability to sensitize students to related issues, encourage student commitment and participation in civic organizations and initiatives around the country, and promote research and information-gathering on the topic of civil society.

The series is made possible in part through a gift from the Kekst Family Foundation. Gershon Kekst, a 1956 graduate of the University of Maryland, is founder and president of Kekst and Company, Inc., a corporate and financial communications firm established in 1970 in New York City. His wife Carol is a 1966 graduate of the University of Maryland and is a professional counseling psychologist.

Featured in Outlook: College of Agriculture and Natural Resources

Inside this week's edition of *Outlook* you will find a four-page tribute to the College of Agriculture and Natural Resources. This pull-out section, found on pages 5-8, represents the first in a series of publications focusing on each college in the university, which will run twice each semester, featuring the colleges in alphabetical order.

This series of inserts was conceived by Provost Greg Geoffroy as a way to build university-wide pride in academic activities. Many people in the academic community are not sufficiently aware of the quality of students, faculty and programs outside their own units. These publications will serve to raise that awareness throughout the university.

It would be impossible to capture even the broadest details about every outstanding program or department within each college. So we have not tried to do so. With the guidance of the deans and the leadership of the colleges, we will seek to spotlight those activities that reflect and represent the outstanding people and programs, rather than try to cover them all comprehensively.

We hope you will find the agriculture and natural resources issue

informative and entertain-

ing at least, but we hope it will also help create a greater sense of community in the entire university. We welcome your comments and suggestions for future issues.

Finally, we are indebted to Dean Thomas Fretz of the College of Agriculture and Natural Resources, and his Director of Development Bill Lynerd, for their interest and attention in the development of this inaugural issue.

Happy reading.



Ying He is First ISR/General Electric Fellowship Awardee

Ying He, a third-year electrical engineering Ph.D. student at the University of Maryland, is the first awardee of the new ISR/General Electric Fellowship. She was selected by both ISR and GE representatives for her outstanding academic quality plus research activity alignment with GE's interests.

The ISR/General Electric Fellowship is offered under ISR's new industrial fellowship program. The \$30,000-per-year fellowship may be renewed annually for up to three years.

"GE recognizes the diverse strengths of the ISR in pioneering advanced systems for communication, control and computing," says Paul Houpt, GE's manager of industrial control programs. "We believe this to be vital to

our goal of 'six sigma' quality product and service offerings. Through this fellowship we seek to strengthen our mutual commitment to innovation in education and research that can foster increased understanding of market needs in the university, and increase the flow of systems ideas from the ISR to our diverse businesses."

"We are pleased that GE has chosen to strengthen its ties to ISR by sponsoring this fellowship," says ISR Director Gary Rubloff. "GE is well known as an innovative corporate leader and a valuable industrial partner to ISR. I am gratified that GE is making this investment in the unique perspective which our students



Ying He

Continued on page 11

Collective Bargaining Bill Stirs Debate

A Collective Bargaining Bill currently sits before both the House and Senate in the Maryland General Assembly. Already, the bill has stirred up much confusion and debate among employees on campus, who may or may not be fully versed in the bills' actual wording.

Employees are encouraged to inform themselves, and may view the bills in their entirety, on the web at:

<mlis.state.md.us/1999rs/bills/hb/hb0179f.rtf>
and <mlis.state.md.us/1999rs/bills/sb/sb0129f.rtf>

A discussion of the bill, with input from those in support of and opposed to the bill is scheduled for Wednesday, March 17, from noon to 1 p.m. in Room 0200 Skinner Hall. Copies of the bill will be made available at the discussion.

For employees who cannot attend the discussion, or who are unable to access the bill on the web, a printed version also is being made available for reading to persons who stop by the College Park Senate Office, 1100 Marie Mount Hall.

letter to the editor

To the Editor:

We in the School of Architecture share your enthusiasm concerning the recently completed Campus Recreation Center. Our faculty, staff, students and alumni are elated the university is finally showing some interest in quality architecture, after years of dreadful mediocrity!

However, we are concerned that you failed to provide adequate credit in your publication. Had you been citing a book, article or a creative work (music, painting, etc.), no doubt you would have credited the author. A work of architecture is no different, and perhaps since the architect is author of a book of specifications according to which the building is built, one might consider the activity to be identical. In the future, we ask that you provide proper credits for works of architecture since buildings are the result of the creative efforts of many people.

The proper credits for the CRC are:

Sasaki Associates, Watertown, MA, Design Architects
Ayers Saint Gross, Architects and Planners, Baltimore, Md.,
Associated Architects

Clark Construction, Contractors

You might also note:

Glen Birx, AIA, a partner in Ayers Saint Gross, and graduate of the University of Maryland School of Architecture, supervised the project. And, I don't think that it hurts to mention the heroic contributions of Jay Gilchrist, director of the CRC and his staff, without whom the facility wouldn't even be a dream.

Brian Kelly, AIA
Associate Professor
Director, Program in Architecture

Acclaimed New Author Patti Kim Named Outstanding Young Alumnus

The University of Maryland Alumni Association has selected Patti Kim, an acclaimed new author, as the recipient of the 1998 Outstanding Young Alumnus Award.

Kim is a resident of Potomac. Her first novel, "A Cab Called Reliable," was published in 1997, just one year after she earned her master's degree in creative writing from the University of Maryland. The novel has enjoyed positive reviews from critics across the country and Kim's public readings have attracted strong reader turn-out. *USA Today* has called Kim an "obvious literary prodigy."

"A Cab Called Reliable" is the story of Korean immigrants adjusting to their new lives in America. While reflective of Kim's experiences growing up as a Korean-American, the book is not autobiographical. Kim says she used her past to set the tone of the story and give a true depiction of life at the intersection of two cultures.

"Emotionally, the book is very much autobiographical, but the events are not," she says. Critics have noted this emotional investment added the power and life that has prompted the book's success.

Maryland's Outstanding Young Alumnus Award is given annually to a graduate of the university who has been distinguished personally and professionally. This award is typically given to persons who have graduated within the last 10 years. Kim received her undergraduate degree in English from the university in 1992. She returned to College Park for her postgraduate studies and received a master's degree in creative writing in 1996.

Search Committee Appointed to Name Advancement's New Vice President

Howard Frank, dean of the Robert H. Smith School of Business, is heading a 14-person search committee to find a new vice president for University Advancement. The committee includes a broad representation of interests both on and off campus.

The committee is seeking an individual with leadership experience in advancement or a closely related field at a large, sophisticated institution. "Leadership ability, integrity, standards of excellence and the ability to represent the university to all constituencies is required," Frank says.

The vice president for University Advancement is responsible for development, the Alumni Association, university communications, marketing, media relations and special events. The vice president has lead responsibility for the university's ongoing fund-raising campaign, Bold Vision Bright Future, works closely with the Board of Visitors and the Alumni Association Board, and develops relationships with all groups that have the potential to support the university.

"Many people at this university know people here and elsewhere who have the required qualifications for this very important position," says Frank. "We encourage everyone to participate in the process by sending us nominations or encouraging qualified people to apply for the position." Nominations and applications should be sent to any member of the search committee or to David Lambert, President; Lambert and Associates;

Executive Search Consultants; 44 East Lancaster Avenue, Suite 200; Ardmore, PA 19003-2212.

The new vice president will replace Reid Crawford, who resigned in December. William Destler, dean of the Clark School of Engineering is serving as interim vice president during the search.

In addition to Frank, the committee comprises: Richard Durand, chair, marketing, Smith School of Business

Leonard Elmore, New York, N.Y.

Rebecca Frey, budget officer, Health and Human Performance

Edwin Fry, Chestertown, Md.

Irwin Goldstein, dean, Behavioral and Social Sciences

Irene Kim, special assistant to the president Raymond LaPlaca, Upper Marlboro, Md.

Charles Lowry, dean, Libraries

M.J. Miller, campaign director, Maryland Center for the Performing Arts

Brenda Brown Rever, Owings Mills, Md.

Cassandra Robinson, assistant director,

University Relations

Avery Straw, president, Student Government Association

Shibley Telhami, Anwar Sadat Chair, Government and Politics

The search committee is staffed by Sapienza Barone in the President's Office.

Humphrey Fellowship Program for Reporters, Editors from Developing Nations Renewed

The Humphrey Fellowship Program at the College of Journalism has been renewed for another five years, assuring a continued presence at the University of Maryland of reporters and editors from developing nations around the globe. The University of Maryland was selected by the U.S. Information Agency to keep the program over rival bids by the University of Missouri and Syracuse University.

Since the program started here in 1993, a total of 77 mid-career journalists from 53 different countries have completed an academic year of academic and professional work. "We are delighted that the Humphrey Fellows will be part of our campus community well into the 21st century," says Dean Reese Cleghorn of the College of Journalism. "They benefit from our curriculum and the university benefits from their participation in classes and a wide variety of professional activities."

This year there are nine Humphrey Fellows in residence from nine countries: Bosnia, China, Mongolia, Morocco, Mozambique, Nigeria, Sri Lanka, Vietnam and Zimbabwe. While most have enrolled in courses at the College of Journalism, they have conducted a joint program with the College Park Scholars and participated in other university-wide events.

"The Fellows are mid-career professionals with keen insights into their own countries and they are available as guest speakers in non-journalism courses," says William J. Eaton, who is completing his fifth year as curator/coordinator of the Humphrey program. Meg McCully, who manages the day-to-day administration of the program, has been involved in Humphrey work since the first group of Fellows arrived at the university in August, 1993. Journalism Professor Ray E. Hiebert ran the program that first year.

"We owe a debt of gratitude to the university community, especially the faculty and staff members who have been hosts for Humphrey Fellows and helped them adjust to life in a new country," McCully says.

The Humphrey program is funded by the U.S. Information Agency and administered by the Institute of International Education. It was launched in 1979 to honor the memory and the international work of the late Senator and Vice President Hubert H. Humphrey.

Fellows are nominated by U.S. Information Service offices overseas and the final selection is made by the J. William Fulbright Foreign Scholarship Board.

Outlook

Outlook is the weekly faculty-staff newspaper serving the University of Maryland campus community. **William Destler**, Interim Vice President for University Advancement; **Teresa Flannery**, Executive Director of University Communications and Director of Marketing; **George Cathcart**, Executive Editor; **Jennifer Hawes**, Editor; **Londa Scott Forté**, Assistant Editor; **Valshall Honawar**, Graduate Assistant; **Phillip Wirtz**, Editorial Intern. Letters to the editor, story suggestions and campus information are welcome. Please submit all material two weeks before the Tuesday of publication. Send material to Editor, *Outlook*, 2101 Turner Hall, College Park, MD 20742. Telephone (301) 405-4629; e-mail outlook@accmail.umd.edu; fax (301) 314-9344. *Outlook* can be found online at www.inform.umd.edu/outlook/

A closer look

Counseling Center

From depression and time management to eating disorders, students face a variety of problems every day of their lives on campus.

For 60 years the Counseling Center in the Shoemaker Building has been helping students deal with the stresses of college life. There are specialized services available for nearly every kind of problem.

"We would like students to know we're here and we're free," says Vivian Boyd, director of the Counseling Center. "And we're here in sufficient numbers to help."

"One of our ongoing dilemmas is how to get the word out so students can come to us. Though we're doing much better than similar services on other campuses—we're in the top 90th percentile of campus counseling centers—it's not enough. One of the most painful things is to have students come in as seniors and say they weren't even aware we were around," she says.

Still, there are several clients. In 1997-98, 5,741 campus community members availed of the various services at the Counseling Center. Depression, time management and anxiety were the three most common problems, cited by 40 percent of the clients.

Among the services offered by the center are personal/social counseling, career counseling, consultation and outreach services, academic skills counseling, learning assistance services, support for students with disabilities, parent consultation and child evaluation services and research services, among others. A recent addition is a computerized lab to conduct ETS testing (see box, right).

"We also offer career counseling programs for faculty and staff," Boyd says. "A number of faculty and staff take advantage of that throughout the year."

Another program for faculty is the "warm line" where they can call up with concerns about themselves or students and ask to speak to staff psychologists. "This is used heavily

by faculty. And it's a warm line because the psychologist is on half-day duty and will get back within the half day—it's not instant," Boyd says.

As she points out, "faculty and staff are the first to make contact with students who might be in a lot of trouble."

The center regularly prints brochures for students with tips on handling certain problems, such as help with math, notetaking, listening in class. Useful tips are available on the center's website as well at <www.inform.umd.edu/CC>.

The center also has an extensive career counseling program for students. "There are massive changes today... to prepare students for a world in transition. In my generation people prepared for a career and worked in it for life. Now, students have six to 10 occupational pursuits and it becomes difficult to figure out who you are," Boyd says.

The center, Boyd says, helps by making students more aware of their interests, abilities and talents. Once they understand that configuration, they are in a good position to decide what they want, she says.

One of the most common problems, she points out, is that 90 percent of freshmen have no idea what career they want to pursue. Several are not even sure about their academic major. "We pass out an instrument among freshmen, and each year over 1,000 students say they need help in deciding their academic major and a career."

The center has a research unit which works constantly to identify the major problems faced by students. "Last year we developed a worry index from a problem checklist that's given to every student who comes to the center. We gave out selective samples of the index to students who never come here. That gives us some sense of what some of the problems out there are that we're not working with, and also helps us decide what programs we can build, either to help students directly or

Historical Hollywood Squares



Employees Services Manager Sean Ballantine (left) grills the Facilities Management team of (from left) Tony Savia, Gloria Aparicio and Isaac Banks during a game of "Hollywood Squares" last Thursday in the Colony Ballroom of the Stamp Student Union. Their challengers were players from Residential Facilities. The two departments have squared off in a Black History Month competition for the past three years, previously playing a version of "Jeopardy."

The "squares" were filled by staff from various departments across campus. The questions fielded concerned black history and were taken from the Internet. Ballantine turned over his game show host duties to local sportscaster Chick Hernandez for the afternoon portion of the competition.

impact their environment," Boyd says.

One of the newest programs developed by the center is a consulting relationship between assistant and associate academic deans in the

major colleges and psychologists at the counseling center. This gives the center an opportunity to learn about the problems of students.

For more information about the Counseling Center and its

services, call 314-7651 or check out its website at <www.inform.umd.edu/CC>.

—VAISHALI HONAWAR

Center to Host Educational Testing Services

A computerized Educational Testing Services center, where students can take professional entrance tests for medical and law schools as well as other aptitude tests such as SAT, GRE and TOEFL, among others, will open soon at the Counseling Center.

At present, standardized pencil-and-paper testing is available at the center. While a date has not yet been set for the opening of the computerized center, it could be as early as this week, according to William Sedlacek, assistant director of the Research and Data Processing Unit.

The computerized testing center is the result of a contract between ETS and the Counseling Center. A lab, which includes 10 computer stations, has been created as part of a recent construction project in the Counseling Center and will serve as the test center.

"We are very excited about this as it's going to be a very needed service for students," says Vivian Boyd, director of the Counseling Center.

The Counseling Center was chosen by ETS as part of a pilot project under which about a hundred colleges were identified as computerized testing sites, says Boyd.

"Students will get their results a lot quicker than in the past, and they can take the tests at their convenience," says Boyd.

Earlier, the testing services were housed in the basement, but now they are being moved to ground level, thanks to a project made possible by the vice president for student affairs. This will make it possible for students to access the classroom without using the elevator.

The moving of the testing services will also give added space to the disability support services which was housed in two rooms in the basement. At present, there are 700 students registered with the program.

Boyd points out they have extremely specialized services, including two half-time staff interpreters for students who are hearing impaired. "This is exciting for us because the market for such interpreters is tight in this area, and it is hard to find them," she says.

—V.H.

dateline maryland

Your Guide to University Events
March 2-11, 1999

March 2

3:30-5 p.m. The Committee on Africa and the Americas 1998 Research and Travel Grant Panel: "Strategies on Agricultural Adaption in Senegal and Bolivia," Molly Cisse and Jesus Duran, presenters, Martha Geores, moderator. 1130 Woods Hall. 5-6835.

4 p.m. Physics Department: "Wax Tectonics: What Can Wax Tell Us About the Earth?" Eberhard Bodenschatz, Cornell University. 1410 Physics Bldg. 5-3401.

March 3

Noon-1 p.m. Research & Development Presentations: "The Nature and Treatment of Social Phobia," Samuel Turner, Clinical Psychology Program. 0106-0114 Counseling Center, Shoemaker Bldg.

4:30-6:30 EDPA Center for Education Policy and Leadership: "Ending Domination: The Power of Love," bell hooks. 2203 Art Sociology Bldg. 5-3566.

6-9 p.m. Peer Training Program: Introduction to Microsoft Excel. This class introduces spreadsheet basics. 4404 Computer & Space Sciences Bldg. 5-2940.*

7-9 p.m. Films of Africa and the Diaspora Series presents "Hyenas," Multi-Purpose Room, St. Mary's Hall. 5-6835.

March 4

12:30-1:45 p.m. Concert and lecture: "Spanish Baroque Guitar," Salvador Caballero, Education Office of the Spanish Embassy. Sponsored by the Honors Program and Spanish and Portuguese department. St. Mary's Hall.

12:30-2 p.m. Center for Teaching Excellence Teaching and Learning Conversation: "Teaching with Style: Understanding the Importance of Student Learning Styles in the Humanities and Social Sciences," Roberta Lavine, associate chair, department of Spanish and Portuguese. Maryland Room, Marie Mount Hall. 5-9980.

3:30 Department of Meteorology: "On the Use of Long-Term Global Land Data Derived From NOAA AVHRR," G. Garik Gutman, NOAA/NESDIS/ERA. 2400 Computer & Space Sciences Bldg.

4-6 p.m. Institute for Global Chinese Affairs: "Twenty Years After Normalization with China and the Taiwan Relations Act," Ambassadors James Lilley and Harvey Feldman. Reservations requested. 0101 Taliaferro Hall. 5-0213.

4:30-7:30 p.m. Peer Training Program: "Introduction to Unix." This class introduces the Unix operating system. 4404 Computer & Space Sciences Bldg. 5-2940.*

5 p.m. Art History and Archaeology Lecture: "Decorum in the Italian Renaissance: The Case of Bronzino's Portraits," Robert Williams. 2309 Art-Sociology Bldg. 5-1479.

8-10 p.m. University Theatre: "Les Liaisons Dangereuses" by Christopher Hampton. An erotic game of power, seduction and deceit on the eve of a revolution in Paris. Tawes Fine Arts Bldg. 5-2201.*

March 5

Noon-1:30 p.m. Campus Assessment Working Group Forum: "Listening to Our Alumni: What Can They Tell Us?" Maryland Room, Marie Mount Hall. RSVP required. 5-3866.

1 p.m. Department of Materials and Nuclear Engineering: "Containment Research—Past, Present and Future," Lothar Wolf. 2100 Chemistry Bldg.

8-10 p.m. "Les Liaisons Dangereuses" by Christopher Hampton. An erotic game of power, seduction and deceit on the eve of a revolution in Paris. Tawes Fine Arts Bldg. 5-2201.*

March 6

10 a.m.-noon. Conversation sponsored by the Committee on Undergraduate Women's Leadership. A relaxed discussion on undergraduate women's leadership. Colony Ballroom, Stamp Student Union.

8 p.m. School of Music: "Infatuating Blackness: Songs Celebrating Africa, America and the Caribbean." Performance by Carmen Balthrop, School of Music, and lecture by Peter Beicken, Germanic Studies. Ulrich Recital Hall, Tawes Fine Arts Bldg. 5-1150.

8-10 p.m. Concert Society: "Beiser/Shahen/Velez," Maya Beiser, cello, Simon Shahen, oud, and Glen Velez, percussion. Post-concert question-and-answer session immediately following the performance. Inn and Conference Center, University College. 403-4240.*

8-10 p.m. "Les Liaisons Dangereuses" by Christopher Hampton. An erotic game of power, seduction and deceit on the eve of a revolution in Paris. Tawes Fine Arts Bldg. 5-2201.*

March 7

1-4 p.m. Peer Training Program: "Intermediate Adobe Photoshop." This class covers more advanced fea-



"Chim", from the exhibit of David Seymour on display at The Art Gallery.

The Art Gallery presents two exhibits running through April 17. *Close Enough* displays the photography of David Seymour and *Chiaroscuro* highlights the artwork of six prominent photographers from the mid-20th century.

The gallery is open 11 a.m.-4 p.m. Monday through Friday. It also is open from 11 a.m.-9 p.m. Thursday and 11 a.m.-5 p.m. Saturday. For more information on The Art Gallery call 405-ARTS.

tures of PhotoShop. 4404 Computer & Space Sciences Bldg. 5-2940.*

2-4 p.m. "Les Liaisons Dangereuses" by Christopher Hampton. An erotic game of power, seduction and deceit on the eve of a revolution in Paris. Tawes Fine Arts Bldg. 5-2201.*

8 p.m. School of Music: "Infatuating Blackness: Songs Celebrating Africa, America and the Caribbean." (See March 6 entry.)

March 8

4 p.m. Committee on the History and Philosophy of Science: "Coin Tossing and Bit Commitment," Adrian Kent, Cambridge University. 1111 Plant Sciences Bldg. five@physics.umd.edu.

4-5:30 Teaching Strategies in Cultural Studies: "Investigating Culture Difference: The Museum as Classroom," Pyche Williams, Will Liu and Ann Denkler. 2137 Taliaferro Hall. veghs@otal.umd.edu.

5 p.m. Art History and Archaeology Lecture: Perspective in Mannerism/Mannerism in Perspective," Marcia Hall, 1213 Art-Sociology Bldg. 5-1479.

5 p.m. "Terrapin Pride Day." Third annual. Marriott Waterfront Hotel, Annapolis. 4-7884.

6-9 p.m. Peer Training Program: "Introduction to Microsoft PowerPoint." This class provides an introduction to the elements involved in designing effective and professional looking presentations. 4404 Computer & Space Sciences Bldg. 5-2940.*

7-9 p.m. Films of Africa and the Diaspora Series presents "Quand Les Etoiles Rencontrent La Mer," Director: Raymond Rajaonarivelo, Madagascar. Multi-Purpose Room, St. Mary's Hall. 5-6835.

March 9

Noon-1:30 p.m. Speaking Scholarship Series: "Repairing the Breach: African American Leadership and Public/Private Partnerships," Bobby William Austin, president, The Village Foundation. 1102 Taliaferro Hall.

2-3 p.m. "Web Clinic," 4404 Computer & Space Sciences Bldg. www.inform.umd.edu/WebClinics.

4 p.m. Physics Department: "Making Small Black Holes: Critical Phenomena in Gravitational Collapse," Matthew Choptuic, University of Texas, Austin. 1410 Physics Bldg. 5-3401.

7 p.m. School of Music: Open rehearsal with the Guarneri String Quartet. Ulrich Recital Hall, Tawes Fine Arts Bldg. 5-1150.

6-9 p.m. Peer Training Program: "Introduction to HTML." This class introduces the markup language used to create webpages. 4404 Computer & Space Sciences Bldg. 5-2940.*

March 10

Noon-1 p.m. Research & Development Presentations: "Making the Connection: Involving Parents at UMCP," Joel Kincart, acting assistant director, Parents' Association. 0106-0114 Counseling Center, Shoemaker Bldg.

6-9 p.m. Peer Training Program: "Intermediate Microsoft Excel." This course moves beyond the "Introduction to Excel's" basics. 4404 Computer & Space Sciences Bldg. 5-2940.*

7-9 p.m. Writers Here and Now: Spring Readings. Frank Bidart, author of "In the Western Night: Collected Poems 1965-90." Adam Zagajewski, author of "Mysticism for Beginners." Graduate Reserves Room, McKeldin Library. 5-3820.

7-9 p.m. Films of Africa and the Diaspora Series presents "Angano...Angano," Director: Cesar Paes, Madagascar. Multi-Purpose Room, St. Mary's Hall. 5-6835.

Calendar Guide

Calendar phone numbers listed as 4-xxxx or 5-xxxx stand for the prefix 314- or 405. Events are free and open to the public unless noted by an asterisk (*). Calendar information for *Outlook* is compiled from a combination of inforM's master calendar and submissions to the *Outlook* office. To reach the calendar editor, call 405-7615 or e-mail Outlook@accmail.umd.edu.

College of Agriculture and Natural Resources



From Main Street to Your Street

Impact of the College's Research, Service and Outreach

INSIDE

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Did you know?, page 4

Economic impact and population overgrowth. Golf course management and teen welfare programs. Preserving the environment. Not the topics you might typically associate with the College of Agriculture and Natural Resources.

But in 1999 it's clear the college is, and has been, exploring issues that extend far beyond farming and livestock. And, through three key areas – research, service and outreach – the college is touching people's lives, in Maryland and beyond, every day.

Whether it's through cooperative extension agents leading a welfare to work program in Baltimore City or educating Eastern Shore farmers on soil management; veterinary science students studying governmental issues or landscape architecture students looking at land use concerns; or researchers assessing the economic impact of an expanding deer population or pinpointing antibiotic resistant bacteria in meat, the college has a far-reaching impact.

Much of what people are benefitting from "out in the field," has its roots here at the University of Maryland, where the college offers several programs of study ranging from animal and avian sciences and nutrition and food science to

agricultural and resource economics, biological resources engineering and conservation of soil, water and the environment. While the programs are diverse, in many ways they are all connected to agriculture's main focus of balance; producing profitable, healthy animal and plant products while respecting the environment.

The college affects many facets of the economy, "from Main Street to your street," says Dean Thomas Fretz. Ultimately, the College of Agriculture and Natural Resources' research, education and outreach programs are concerned with feeding the world's population and making sure our food is safe. At the same time, their efforts are ensuring that the world's water supply and the environment are protected.

This four-page *Outlook* insert about the College of Agriculture and Natural Resources features a sampling of the research, the people and the academic and outreach programs in the college that are touching Maryland and communities outside the state. The following stories are a small sampling, a highlight if you will, of these exciting happenings in the college.



UNIVERSITY OF
MARYLAND

A Letter from the Dean

Greetings!

The College of Agriculture and Natural Resources is delighted to be among the first on campus to be featured in this *Outlook* initiative. The College's roots are deep, having been part of the University of Maryland since the beginning, when founded in 1854 as the Maryland Agricultural College. More important however, we continue to embody the mission of our university as a Land Grant institution, focusing on academics, mission-centered applied and basic research and outreach through a broad array of programs designed to serve all citizens of Maryland, regardless of location.

Through the efforts of eight academic departments, nine off-campus Research & Education Centers, and 24 Cooperative Extension offices, the College addresses a myriad of issues daily, from ensuring a safe and abundant food supply, to the preservation of our natural resources and serving youth and adult learners with non-credit, non-tuition bearing educational programming that focuses on meeting needs as defined by local communities.

The following four pages provide a small glimpse at the College of Agriculture and Natural Resources. You are invited to visit our web site at <www.agnr.umd.edu> to learn more about us and the programs this college delivers to students and the citizens of Maryland.

Thomas A. Fretz
Dean and Director

The Turfgrass is Greener...

Through a mix of classes and hands-on instruction, agriculture's Turfgrass Management program allows students to get keen about greens.

Whether it's lush baseball fields or a golf course's rolling emerald hills, that verdant look stems from proper turfgrass management, says J. Kevin Mathias, program adviser.

Initiated in the mid-'60s, the two-year program provides two curriculum options, General Turf Management and Golf Course Management through the Institute of Applied Agriculture.

Currently, there are 50 students in the Turfgrass Management program, with most enrolled in the golf course concentration. Mathias says most of the students come into the program with prior experience in the golf course industry.

With a nationwide average of 400 golf courses opening each year, Mathias says the golf course industry continues to be a growing field. "A lot of our students want to get into the management side of running a golf course, like superintendent or manager," he says. "The courses that we offer prepare them and open up doors to the management side."

Course offerings in the program range from business and technology to traditional turfgrass and greens management. "With such classes as soils and fertilizers, irrigation practices, turf management and pesticide use and safety, students learn to integrate science and nature," says Mathias, noting that there are five faculty who teach the range of classes in the Institute for Applied Agriculture.

As technology in the turfgrass industry continues to evolve, Mathias says using the Internet is key to informing students, as well as recent graduates, on the newest data and equipment.

"We try to lay the foundation to prepare students for being successful," say Mathias.



The Business of Agriculture

A Look at the Economic Side of the Field

Every time El Niño stirs, it does not just leave thousands homeless. When deer overpopulate, they don't just cause automobile accidents. And an economic crisis in Asia does not leave the world on the other side of the Pacific untouched.

Strangely enough, each of these incidents has significant effects on U.S. agriculture and economy, according to the Center for Agricultural and Natural Resource Policy, within the department of agricultural and resource economics. The center draws this conclusion from the various research projects the department's 21 faculty members have been involved with over the past few years.

"Our faculty have been working in fields that assess the impact of agricultural or environmental policy, on natural resource issues. They work on these problems at the state and national level," says Professor Nancy Bockstael.

The various projects, some with an "idiosyncratic" touch, have highlighted interesting effects of seemingly unrelated matters on agriculture. Deer, one study found, accounted for as much as \$38 million in crop losses in 1996 alone, with 92 percent of farmers reporting damage due to deer eating crops. Horse racing, yet another study found, had a total impact of \$396 million on the state's economic output in 1995.

Pfisteria, the microbe that caused thousands of fish to die in the Chesapeake Bay over the last two years, has a link to agriculture too, says Bruce Gardner, director of the Center for Agricultural and Natural Resource Policy. And while this link is still not clear, he says, the epidemic may send prices of poultry shooting up for the consumer.

"We have a large eastern shore and a lot of big poultry farms which generate poultry manure which is spread in the fields. However, there's more manure spread than the plants need to grow, and we know some of it leaches into the water through the ground," says Gardner.

He points out that while some nutrients would be present in the water even if agriculture were stopped altogether, the people who spread this manure are going to need to come up with a better, safer plan.

"Both the farmers and the poultry industry are going to have to start making adjustments," says Gardner. "This manure management is going to cost money," he says, adding that ways of making the manure safer are being thought out.

But the high cost involved in doing this, he says, could very well be passed on to the consumers, along with the growers and marketers.

In another paper titled "The Asian Economic Crisis in its Second Year: Outlook and Implications for Agriculture",

Gardner points out that imports of U.S. agricultural products into Asia (apart from Japan and China) were almost \$5 billion less in 1998 than in 1997, and in Japan the reduction was \$1 billion.

The decrease in world demand, Gardner writes, "causes a disproportionate decline in U.S. farm prices.

Although it is not possible to be precise about the effect, a 5 percent reduction in demand due to the

Asia crisis could well cause prices received by U.S. farmers to fall by 10 or even 15 percent."

The department also has extension faculty that provides educational information to those outside the university, such as agricultural businesses and farmers. "We also work with the state government and play an active and important role in helping them formulate policy. We provide wide research results for these people to make decisions," says Kevin McNew, assistant professor and member of the extension faculty.

The extension faculty also educates farmers about risk management.

"Farming is a very risky business. Prices, commodities, weather...everything changes constantly. We work a lot with farmers to help them manage these risks," says McNew, adding that they do similar work with the fishing industry.

Another project the department has been

involved in is land use and management in the state. Bockstael has been working on a project on the pattern of land use change. "We are looking specifically at central Maryland where residential development has led to a great deal of land conversion, from agricultural use, parks, etc. to housing development."

The project is studying the effects of this change—"whether we're better off or worse off," as Bockstael says—and the reasons for the development of this pattern, which has effects on both society and the environment.

"It's hard for counties to provide services when people are scattered all over the place and it's expensive to put in more schools, buses, fire department, police protection...

counties don't like this pattern because it is expensive," says Bockstael.

Also, she points out, people who flock to those areas for rural amenities find that they lose those too, as they're not the only ones moving in.

There are, says Bockstael, perceived problems with the environment too. "A lot of this new develop-

ment is done with well water, and there are questions about how environmentally damaging that is."



Reducing the Risk of Food-Borne Illness

Researchers Work to Ensure What's Brought to the Dinner Table is Safe

Six years ago, a fast food chain and its humble hamburger started a food safety panic that remains with many Americans today. Diners who had eaten the chain's hamburgers became severely ill and, in some cases died, from exposure to a form of a bacteria known as *E. coli*.

Suddenly, consumers didn't feel their food was safe anymore and the pressure was on for government and the food industry to make sure such an incident didn't happen again.

"Prior to 1993, food safety was not a big issue," says Jianghong Meng, assistant professor in the department of nutrition and food science. Ironically, a similar outbreak had occurred in 1982, also at a fast food chain, but for some reason, says Meng, people didn't pay attention to it.

"But after 1993, the government jumped in, industry was scared and a lot of regulations were born," says Meng.

"With efforts from government, industry and science we're better off than we were 10 years ago," he says.

Regulations, combined with enhanced education of consumers and the food industry on food handling practices have lessened the food safety risk. But Meng cautions there is no way to completely rid food of microorganisms that can lead to illness. At least not yet.

With the 1996 establishment of the Joint Institute for Food Safety and Applied Nutrition, between the United States Food and Drug Administration and the University of Maryland, research and education programs are getting a big boost. According to JIFSAN, the participation of FDA scientists in JIFSAN collaborative research programs related to FDA's mission and the consultative arrangements with other scientists associated with FDA, the Institute and the university will ensure the critical science-based foundation needed to establish sound food safety policy.

For his part, Meng's research is focused on three areas: development of rapid detection methods for food-borne pathogens, determining the virulence of bacterial pathogens, and the study of antibiotic resistance in food-borne pathogens.

His current work involves testing of red meat, much of which is the kind one might purchase at a local grocery store.

With regard to antibiotic resistance in food-borne pathogens, Meng says many of these pathogens are resistant to more than 10 different antibiotics. "If you are infected with an antibiotic resistant organism through food, there's not much a doctor can do," he says. "That's a big concern."

Some 60 years ago, says Meng, use of antibiotics for both animal production and treatment of animal disease became popular. "Antibiotics were added to animal feed to get a better yield, but that creates a problem," he says, noting that he has isolated *E. coli* and *Salmonella* from meat products, 20-40 percent of which are resistant to at least one antibiotic.

As consumers Meng says there are steps you can take to keep your food safe: cook your food well, wash your fruits and vegetables, store your food properly, especially leftovers, drink only pasteurized milk and fruit juices, and avoid cross-contamination between fresh produce and meat and poultry products.

Also pursuing research aimed at assessing the risk of *Salmonella* and other bacteria associated with the foods we eat are researchers at the Virginia-Maryland College of Veterinary Medicine. One of only 27 veterinary colleges in the United States, the college is a regional professional school based at the University of Maryland and Virginia Tech.

Director William Hueston, the U.S. expert on mad cow disease, says, "in terms of animal-derived products, the veterinary school works a lot with farm animals." Several faculty at the college are looking at food-borne disease agents, specifically as they relate to



POURING IT ON: Pilot Plant Manager and graduate student Lisa Smith demonstrates how to add ice cream mix to a batch freezer

The Science Behind the Cookies 'n' Cream

Tucked away in agriculture's pilot plant is one of the college's—and the university's—hidden gems. There, hundreds of gallons of homemade ice cream are being produced each week for faculty, staff, students and visitors to enjoy.

Every day, fresh scoops of the frozen delight, including seasonal flavors such as peppermint, chocolate crunch and pumpkin pie are being served in the Turner Building Dairy, as well as the campus's dining halls. The ice cream's tasty reputation is far-reaching. It's not uncommon for visitors, who've heard great things about the delicious dessert, to stop at the dairy specifically to get a cone or sundae.

"[The plant] is actually a unique thing," says Lisa Smith, pilot plant manager. "Not many universities have it and the ice cream is delicious."

So fine-tuned is the production, the plant will host a four-day seminar for people all over the country to take instructional short courses. "It's basically to show people how to use a batch freezer," Smith says of the March 23-26 event.

A similar class started at the university in 1950 and has recently been offered again after about a decade's hiatus. Assistant Professor of Animal and Avian Sciences Scott Rankin heads the program.

But the pilot plant isn't strictly devoted to making ice cream. In addition, it operates a piece of modern food-packaging equipment called a Multivac. This special device is helping companies learn more about improving the shelf life of packaged foods as well as packaging designs.

poultry and poultry products.

Roberta Morales, assistant professor of food safety, has looked at the problem of *Salmonella enteritidis*, a form of the bacteria most often associated with eggs. Working with the USDA Food Safety Inspection Service, she conducted risk assessment in table eggs.

But faculty also are looking at *Salmonella* as it relates to all poultry products. According to Hueston, one area drawing significant attention is poultry litter.

Edward Mallinson, professor emeritus and a retired poultry extension veterinarian, and Lewis Carr, an instructor in the biological resources engineering department, are well-versed in the matter of litter, which becomes a fertile ground for *Salmonella* when it is exposed to water. The litter and the dust from it becomes embedded in the feathers of the birds, spreading the bacteria.

In a recent article titled "Salmonella's Achilles' Heel," Mallinson, Carr and Professor of Microbiology Sam Joseph describe how reducing the humidity of poultry litter represents a promising on-farm opportunity for controlling salmonella. Ventilation, water control practices and acidification of lit-

ter are just three specific practices the researchers recommend employing in broiler houses to accomplish this goal.

Carr is also associated with research on composting of the chicken carcasses. "With 200,000 or more chickens on a farm at one time, some naturally die," says Hueston. "You can't just put those dead chickens in the trash."

By layering dead chickens and straw, the heat generated through composting rids the bacteria, and turns the resulting compost into a safe fertilizer.

With an eye toward food safety, the veterinary college here at Maryland also is developing educational programs for its students. Hueston says the college has developed fellowships for students and mid-career veterinarians on the science and politics of developing food policy.

"We bring them here in the summer," says Hueston of the fellows, "to look at the interplay of science and politics. We talk with the fellows about where food safety responsibility should lie," he says.



Plants are Key to Successful Metal Mining Technology

When Scott Angle set out to investigate the potential for safely remediating contaminated soil, little did he realize the far-reaching and cost-saving effect his research would have.

Not only did his findings land him the university's Office of Technology Liaison Life Science Invention of the Year in 1995, but his new method for mining became the impetus behind the formation of a new company called Viridian Environmental to which the technology is exclusively licensed.

This new mining method, one that is far less harsh on the environment, uses plants to extract metals from the soil. Beyond being efficient and inexpensive, many consider the process revolutionary.

Heavy metal contamination is a serious national concern. Most soils polluted with heavy metals, such as zinc, cadmium, copper and lead, are removed from the site and placed into a landfill—at a cost of \$2 million per acre. And the contaminated soil still exists, just in a different location, says Angle, associate dean and associate director of the college's Agricultural Experiment Station.

"Current mining technologies degrade the soil and surrounding environment," says Angle. Much like on the moon, he says, "there are sites around the world where absolutely nothing is alive in the ecosystem."

Angle's process, which is really two new technologies known as phytoremediation and phytomining, was developed along with Rufus Chaney, a researcher with the USDA, Yin Li, a plant breeder, and plant botanist Alan Baker of the University of Sheffield in England. Using a unique group of plants called hyperaccumulators, metals are extracted from the soil. These small, slow-growing plants concentrate the metal in their shoot tissue. The plant shoots are then harvested and, through smelting, dried and burned for energy production. The ash is then processed to recover the metal.

According to Chaney, the technology uses the natural ability of certain plant species to extract "economic levels of nickel and cobalt from mineral-

ized or contaminated field soils." The extraction uses standard agricultural amendments and equipment, Chaney adds.

The sale of the metals recovered through this phytomining process has a potential profit of several hundred dollars per acre, says Angle, who notes there are millions of suitable acres worldwide from which to extract the metals.

In numerous countries, says Viridian President Jay Nelkin, "acres of land remain barren and infertile due to abnormally high concentrations of heavy metals that are toxic to most forms of plant life."

During the late '70s and early '80s, Chaney was involved with work on the remediation of soils contaminated with metals or organics. He says he imagined farming plants in a specialized agronomy, such that "the metals would be highly purified compared to the soil they were phytoextracted from."

Chaney, working with Angle and Baker, selected several species of plants in the Alyssum genus, known as hyperaccumulators of nickel and cobalt. Soil and plant management practices were identified that allowed the selected genotypes to accumulate more than 2.5 percent nickel in their shoots.

Angle and his fellow researchers are attempting to increase the growth rate and shoot size by fusing protoplasts of hyperaccumulating plants with those of plants characterized by a high biomass. The researchers are currently evaluating the growth rates and hyperaccumulating abilities of hybrids of the hyperaccumulator *Thlaspi* and the large non-hyperaccumulator *Canolla*. If successful, the researchers hope to develop a hybrid plant that can remove heavy metals from soil in a five- to 10-year period.

An added bonus of the new plant mining process is its environmentally friendly nature. Unlike conventional soil mining techniques, this technology causes little or no damage to the environment. During the process, the soil is covered with foliage, reducing erosion and runoff losses.

did you know?

- The University of Maryland was founded as a land-grant institution (Maryland Agricultural College) in order to assist the state's agriculture industry.
- The College of Agriculture and Natural Resources led the university in submission of patents and generation of royalties.
- Through Maryland Cooperative Extension, the college reaches some one million Maryland citizens annually. More than 60,000 Maryland citizens contact the Home and Garden Information Center annually (1-800-342-2507) for up-to-date gardening information.
- The college is home to a variety of majors ranging from pre-veterinary medicine to biological resources engineering.
- To strengthen research and outreach activities, the college implemented a university system-wide annual competitive grant program.
- The college initiated a "Certificate in International Agriculture" for undergraduates to acquire skills needed in the global market.
- In collaboration with Delaware, New Jersey, Pennsylvania and Virginia, the college created several jointly funded regional positions.
- The college provides advice to agriculture producers which increases profits and protects the environment.



A Look at Landscape Architecture

Whether it's a lovely tree-lined park or revitalized community plaza blooming with azaleas, more than likely an expert in landscape architecture completed the composition.

No longer confined to paper-and-pencil sketches, new technology in the Landscape Architecture program provides students with training to take the craft into the new millennium. The four-year curriculum grants students access to four state-of-the-art studios featuring Macintosh, Silicon Graphics and Windows-based computers. Housed in the new Plant Sciences Building, the studios feature plenty of windows for natural light plus enough space for each student to flex his or her creativity, says Sissi Foster, visiting assistant professor of landscape architecture.

"Technologically, it's one of the most advanced landscape architecture studios in the nation," she says, noting that the students come away from the program with knowledge of CAD-Computer Aided Design, 3-D modeling and GIS-Geographic Information Systems.

Beyond the studio, landscape architecture students obtain valuable hands-on experience in the community. Last year the students of assistant professor Margarita Hill helped with the preparation of a community revitalization plan of the City of North Brentwood in Prince George's County.

From zoning manager to golf course designer, a major in landscape architecture provides students with an abundance of career options. "The field is very broad. You can plan the landscape of someone's yard, or you can do a community, or a neighborhood, or even masterplan a city," says Foster.



March 11

3-6 p.m. School of Music: "Voice Masterclass," Renata Scotto, Ulrich Recital Hall, Tawes Fine Arts Bldg. 5-1150.

3:30 Department of Meteorology: "Mesoscale Moisture Analysis of the American Monsoons," Ernesto Berbery, assistant research scientist. 2400 Computer & Space Sciences Bldg.

4 p.m. CHPS Series: "Theodosius Dobzhansky and G. Ledyard Stebbins: Animal and Plant Evolution During the Evolutionary Synthesis," Betty Smocovitis, University of Florida. 1117 Francis Scott Key.

4:30-7:30 p.m. Peer Training Program: "Netscape Page Composer," This class introduces Netscape's web page editing and development tool. 4404 Computer & Space Sciences Bldg. 5-2940.*

4:30-7:30 p.m. Peer Training Program: "Introduction to Unix." This class introduces the Unix operating system. 3330 Computer & Space Sciences Bldg. 5-2940.*

4:30 p.m. "I Giullari Di Piazza, The Adventures of Don Giovanna and His Servant Pulcinella" 0220 Jimenez Hall. Reception follows in St. Mary's Hall.

5 p.m. Art History and Archaeology Lecture: "Ritual and Vision: Renaissance Spectacle and the Performance of Images," Karen Barzman. 2309 Art-Sociology Bldg. 5-1479.

8 p.m. The Rusking Lectureship Fund and the Urban Studies and Planning Program: "Prospect Park: Significance of Historic Parks in the 21st Century," Tupper Thomas. School of Social Work Auditorium, Baltimore. 5-6790.

8-10 p.m. "Les Liaisons Dangereuses" by Christopher Hampton. An erotic game of power, seduction and deceit on the eve of a revolution in Paris. Tawes Fine Arts

All Month

Women's History Month Book Fair. Join the University Book Center in celebrating Women's History Month with a 20 percent discount on all women's history related titles in stock (textbooks excluded). Contact UBC, 4-7770.

March 3

4:30-6:30 p.m. Ending Domination: The Power of Love. A presentation by Bell Hooks, CCNY, distinguished professor of English, an outspoken African-American feminist, author, academic and social critic. Reception follows the colloquium in the Atrium. Room 2230, Art & Sociology Building. Contact Steven Selden, 5-3567.

March 6 & 7

4 p.m. "Infatuating Blackness: Songs of Rebellion, Reflection, and Healing." Carmen Balthrop, soprano, and Jose Caceres, piano, will perform in the continuing celebration of Black History Month. Remarks will be made by Peter Beicken, Professor of German Studies. Ulrich Recital Hall, Tawes Fine Arts Building. Free Admission. Contact 5-1150.

March 6-April 7

Out of the Past: Women Influencing Women. This exhibit shows women have both a past and a future in the arts by displaying work created by student artists who have been inspired by established women artists like Frida Kahlo and Betty Saar. This event is free and open to the public. Parents' Association Gallery, Stamp Student Union. Contact Sarah Loffman, 4-8493.

March 11

1-3 p.m. Women of Color Award Program. The Committee for Women of Color will present the Women of Color Award during this program, which is part of the Women of Color Week Celebration (March 8-13). All are encouraged to attend this program. St. Mary's Hall. Contact Bobbie Lee, 5-5615.

March 11

4:30-6:30 p.m. Race and Class in America. Henry Louis Gates, Harvard University W.E. B. DuBois Center for Afro-American Research will speak on this topic. He is the senior editor of the CD-ROM encyclopedia, "Encarta Africa," noted as covering practically all things of African descent, which he will preview during his presentation. Grand Ballroom, Stamp Student Union. Contact Steven Selden, 5-3567.

March 17

5-6 p.m. Focus on Engineering. Women in Engineering and the Society of Women Engineers are co-sponsoring a panel of five female engineering alumni to speak about their engineering degrees, career progression and future opportunities. Room 1202, Glen L. Martin Hall. Contact Kris Fretz, 405-3283 or kfretz@wam.umd.edu.

8 p.m. Artist Scholarship Benefit Series Concert: "All That Jazz." Chris Gekkar, trumpet; Santiago Rodriguez, piano; Arnold Steinhardt, violin; Chris Vadala, saxophone; Christopher Kendall, conductor. Tickets \$16, \$12 (seniors and alumni), and \$10 (students). Contact Rita Phelps, 5-5548.

The Diversity Initiative is sponsoring both a Student Essay Contest, which is open to all students, and a Poster Contest, which is open to student organizations. Please encourage all the students and student organizations you are in contact with to participate in these important contests. The winners will be highlighted at the Diversity Showcase on April 20. For more information contact Mark Brimhall-Vargas at 405-2840 or mb333@umail.umd.edu or go to the new "Student's Link to the Diversity Initiative" at <www.inform.umd.edu/Diversity/Initiative>



March 29

4 p.m. Outstanding Women of the Year Award Ceremony. The President's Commission on Women's Issues will present the Outstanding Women of the Year Award on this date. All are encouraged and welcome to attend this special ceremony. Grand Ballroom, Stamp Student Union. Contact Janet Turnbull, 5-4945.

*For a full version of the March "Focus on Diversity" Calendar please check our new "Link to the Diversity Initiative" on the World Wide Web at <www.inform.umd.edu/Diversity/Initiative>.

To place your event in April's "Focus on Diversity" calendar, e-mail information to Jamie Feehery-Simmons at jf156@umail.umd.edu or fax 314-9992 no later than March 16. If you have any questions, please call 405-2562.

Calendar brought to you by the Diversity Initiative.

Infatuating Blackness: Songs Celebrating Africa, America and the Caribbean

"Infatuating Blackness: Songs Celebrating Africa, America and the Caribbean" is a solo performance by associate professor of music and internationally renowned opera leading lady Carmen Balthrop. The repertoire for the evening's event explores the music and rediscovers the artistic achievements that promoted transnational understanding across cultural and racial borders during the early part of the century.

Balthrop, who will be accompanied by pianist José Cáceres, will present two performances in Ulrich Hall in the Tawes Fine Arts Building Saturday, March 6 at 8 p.m. and Sunday, March 7 at 4 p.m. The performances are free and open to the public.

The celebrated black cultural movement of the Harlem Renaissance gained international acclaim as it gave voice to the literary and musical expression of black America. In addition to the recognition black artists received in the United States, the influence of jazz and other black musical styles, as performed and popularized by artists like Josephine

Baker and Paul Robeson, created tremendous excitement for audiences in Europe as well as in other parts of the world. Although much of the music written and performed by black artists of the era has been explored and adopted with the U.S. musical repertoire, less is known about music written by composers from other countries—compositions celebrating the influence the U.S. Black Arts movement had on creative expressions around the world.

Balthrop, a remarkable American soprano, enjoys a vocal career that is balanced between a busy performing and recording schedule and teaching voice at the University of Maryland. Her metropolitan Opera debut was as 'Pamina' in Mozart's "Die Zauberflöte" (The Magic Flute) in 1977. Since then she has appeared with most of the major opera companies and symphony orchestras in North America, as well as many notable stages throughout



Carmen Balthrop

Europe.

Other featured composers, Montsalvage of Spain and Argentinian Ariel Ramirez, represent another example of the global cultural impact the U.S. black cultural expression exerted across national and geographic boundaries.

Peter Beicken, professor in the department of Germanic Studies, will present a pre-concert lecture highlighting the significant cultural and historical background material relevant to the selected music and its representation of transnational creative interaction.

"Infatuating Blackness: Songs Celebrating Africa, America and the Caribbean" is designed to educate and audience about multicultural connections in the arts. The performance is a special collaborative program led by the School of Music and the Committee on Africa and the Americas in conjunction with other departments from the College of Art & Humanities, and reflects the University's commitment to explore issues related to cultural diversity from interdisciplinary perspectives through cross-departmental and cross-cultural activities.

In addition to the campus performances, the program will be presented at the National Academy of Sciences in Washington, D.C.

General Research Board Awards 1999-2000

COLLEGE OF ARTS & HUMANITIES

Art History & Archaeology

Colantuono, Anthony *Mario Equicola and Alfonso d'Este's Camerino*
Miller, Arthur *Mapping Conquest: Literacy and the Colonization of Mexico*

Pressly, William *The Dance of Eternal Death: Forging an Artistic Identity in Late-Eighteenth-Century Britain*
Classics

Rutledge, Steven *All the King's Men: Informants and Accusers from Tiberius to Domitian*

English

Bryer, Jackson *Selected Letters of Thornton Wilder*

Cohen, William *Victorian Debasement*
Turner, Mark *Meaning and Social Science*

History

Brush, Stephen *Comparative Study of Theory Evaluation in Different Sciences*

Philosophy

Rey, Georges *Mind without Qualia*

COLLEGE OF BEHAVIORAL AND SOCIAL SCIENCES

Anthropology

Freidenberg, Judith *Elderly Latinos of Langley Park: Understanding Retirement Issues*

Government & Politics

Conca, Ken *Informal Regimes as Mechanisms of Global Environmental Governance*

Psychology

Stangor, Charles *Preparation of a Proposal for an NIMH Career Development Award*

Sociology

Bianchi, Suzanne *Family Time: Parents' and Children's Time Together*
Fields DeRose, Laurie *Education Decline and Fertility Trends in Sub-Saharan Africa*

COLLEGE OF COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES

Astronomy

Ostriker, Eve *The Formation, Evolution, and Structure of Turbulent Molecular Clouds in the Galaxy*

Computer Science

Davis, Larry *The Development of New Computer Vision Algorithms for Constructing Accurate Models of Human Form and Movement*

Reggia, James *Neurocomputational Basis of Learning Word Associations*

Mathematics

Machedon, Matei *Non-linear Wave Equations, Fourier Analysis, and Geometry*

COLLEGE OF HEALTH AND HUMAN PERFORMANCE

Family Studies

Wallen, Jacqueline *The Effectiveness of EMDR in Improving Family Therapy*

Outcomes When a Family Member Suffers from Post-Traumatic Stress

COLLEGE OF LIFE SCIENCES

Cell Biology & Molecular Genetics

Weiner, Ronald *Cellulosome-like Surface Protuberances in a Marine Bacterium have Implications for Bioremediation*

THE ROBERT H. SMITH SCHOOL OF BUSINESS

Finance

Maksimovic, Vojislav *Conglomerate Firms: Static Inefficiency v. Dynamic Monitoring*

SCHOOL OF ARCHITECTURE

Gournay, Isabella *Housing Progress in Western Europe: An American View 1914-1939*

SUMMER RESEARCH AWARD

COLLEGE OF ARTS & HUMANITIES

Art History & Archaeology

Kornbluth, Genevra *Protecting in Body, Building the Mind: Gemstone Amulets, Divination, and the Construction of Identity in Early Medieval Europe*

Sharp, Jane *Beyond Zero: Lazar Khidekel and the Post Revolutionary Practice of Suprematism*

Classics

Dietrich, Jessica *Phoenix Felicior: Dead Parrots and the Poet in Statius' Silvae*

English

McDowell, Paula *An Edition of the Complete Works of London Printer-Author Elinor James (fl. 1680-1716)*

Richardson, Brian *The Return of Representation: Theorizing Modern Drama After Poststructuralism*

History

Gao, James Zheng *Culture, Power and Identity: The Communist Takeover of Hangzhou, 1948-1954*

Miller, Peter *Peiresc, Oriental Studies and Cultural History in the Seventeenth Century*

Gerstle, Gary *The Rise and Fall of an American Nation: A Twentieth-Century History*

School of Music

King, Richard *A Catalogue of the 'Fonds Schoelcher'*

Linguistics

Poeppel, David *Non-native Speech Sound Processing: Behavioral and Electrophysiologic Evidence*

Spanish and Portuguese

Merediz, Eyda *Deforming the Epic Body: Medical Discourse and the Portrayal of the "Natives"*

Rodriguez, Ana Patricia *Building Literary Communities: Central American Immigrant Writing and Testimonies from the East and West Coasts*

COLLEGE OF AGRICULTURE

AND NATURAL RESOURCES

Animal and Avian Sciences

Vijay, Inder *Significance of Subunit Interaction in the Regulation of Glucosidase II*

Nutrition and Food Science

Meng, Jianghong *Characterization of Antibiotic Resistance Genes in Foodborne Bacterial Pathogens*

COLLEGE OF BEHAVIORAL AND SOCIAL SCIENCES

Economics

Rodriguez, Francisco *Why Inequality is Harmful for Growth: A New Explanation*

Hearing and Speech Sciences

Haarman, Henk *Brain Electrical Correlates of Language Working Memory*

Government & Politics

Morris, Irwin *Testing a Game-Theoretic Model of Bureaucratic Policymaking: Analyzing the Qualitative and Quantitative Evidence*

COLLEGE OF COMPUTER, MATHEMATICAL, AND PHYSICAL SCIENCES

Computer Science

Aloimonos, Yiannis *Principles of Eye Design: Towards Alternative Camera Technology*

Geology

Kaufman, Alan *Testing the 'Snowball Earth' Hypothesis in the Neoproterozoic of Brazil*

COLLEGE OF EDUCATION

Human Development

Metsala, Jamie *The Cognitive Bases of Individual Differences in Phonemic Awareness Abilities and Reading Acquisition*

Wigfield, Allan *The Long-Term Development of Children's Motivation*

Special Education

Maccini, Paula *Perceptions and Application of NCTM's Standards by Special and General Education Teachers: Implications for Practice for Secondary Students with Learning Disabilities*

A. JAMES CLARK SCHOOL OF ENGINEERING

Civil Engineering

Tseng, Chung-Li *Risk Model for Power Generation Assets*

COLLEGE OF HEALTH AND HUMAN PERFORMANCE

Kinesiology

Brown, Michael *Effects of Acute and Chronic Exercise on Nitric Oxide Production*

Health Education

Thompson, Estina *Cumulative Advantage of Health: Socioeconomic Status and Exercise as Health Resources*

COLLEGE OF LIFE SCIENCES

Cell Biology & Molecular Genetics

Delwiche, Charles *Molecular Phylogenetic Analysis of Green Algae and Land Plants Based on Multiple Genes*

DeStefano, Jeffrey *Construction of a Sensitive System for Determining the Fidelity of HIV Recombination*

Chemistry & Biochemistry

Issacs, Lyle *Self-Assembly in Water Using Analogs of Cucurbituril as Versatile Building Blocks*

Morehead, Andrew, Jr. *Intermolecular Hydroacylation Catalyzed by Bifunctional Transition Metal Complexes*

Walker, Robert *Molecular Motion at Condensed Phase Interfaces: A Spectroscopic Investigation*

SCHOOL OF PUBLIC AFFAIRS

Lopez, Mark *Does Speaking a Second Language Affect Labor Market Outcomes? Evidence from the National Adult Literacy Survey of 1992*

THE ROBERT H. SMITH SCHOOL OF BUSINESS

Logistics, Business & Public Policy

Bailey Joseph *Internet Economics and Policy*

Management & Organization

Lepak, David *Individual and Firm Consequences of Variations in Employment Relationships within Firms*

Marketing

Balachander, Subramanian *Modeling the Use of Everyday Low Pricing Strategies by Retailers*

1999-2000 Creative and Performing Arts Board Award Recipients

COLLEGE OF ARTS & HUMANITIES

Art

DeMonte, Claudia *Retrospective Installation*

Sham, Foon *Sculptural Joinery in Nordic Artists' Centre, in Dale, Norway*

Dance

Rosen, Meriam *Two dances of a four part work to the Ravel Quartet for presentation on Maryland Dance Ensemble Concert and Juried Programs*

School of Music

Dedova, Larissa *Recording of Piano Music by Anton Arensky*

Gowen, Bradford *Preparation and Recording of Piano Music of John La Montaine*

Mabbs, Linda *The Preparation and Recording of Twentieth-Century American Songs for Voice and Piano*

Theatre

Cabot, Adele *Acting Shakespeare*

Musical Kinship Makes for Exciting Performance

"Kinship," a collaborative project in which cellist Maya Beiser performs with two of the most renowned composers and performers on the world music scene today, is presented



Maya Beiser

Saturday, March 6 at 8 p.m. at the University College Inn and Conference Center. The performers joining her are oud player Simon Shaheen and percussionist Glen Velez.

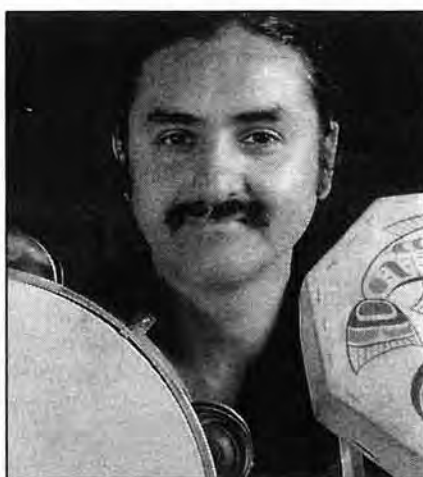
Raised on a kibbutz in Israel by her French mother and Argentinean father, Beiser made her American debut at the age of 19 as a soloist with the Israel Chamber Orchestra on a concert tour that included Carnegie Hall and Chicago's Orchestra Hall. She has worked with Isaac Stern and Yo Yo Ma, and is recognized as a leading performer on the cutting edge of the musical world. Her international career has taken her to the major festivals and concert halls of the world, and she is featured regularly on Lincoln Center's "Great Performers" series.

A virtuoso on both the oud and the violin, performer/composer Shaheen is considered one of the world's greatest masters of classic, traditional and innovative Arab music. He has toured the world as a soloist and with his group, the

Near Eastern Music Ensemble, for more than two decades. His film score credits include "The Sheltering Sky" and "Malcolm X."

Glen Velez is an internationally recognized master drummer, composer and scholar, who has merged his background in Western percussion with his study of frame drum performance styles from Brazil, Egypt, South India and Central Asia. A member of the Paul Winter Consort since 1983, he has recorded with such diverse artists as Suzanne Vega, Eddie Daniels and Rabih Abou, and uses instruments like the Egyptian Rigg and the Irish bodhran in his performances.

The "Kinship" program ranges from Brazilian percussionist Nan Vasconcelos's work for cello, vocal chanting and percussion, to a multi-track cello version of a 1920s Kebyar Gamelan piece arranged by



Glen Velez

Evan Ziporyn. In addition, there will be collaborations with Shaheen and Velez, who wrote a piece based on South Indian rhythms and syllables where Beiser plays cello and percussion and vocalizes simultaneously. Other pieces include works by Meredith Monk, Chinary Ung and Fraguiz Ali-Zadeh.

The Concert Society is presenting a free workshop, featuring the artists, Friday, March 5 from 3 to 4:30 p.m. in Ulrich Recital Hall. There will be a post-concert question-and-answer session with the performers March 6, led by ethnomusicologist Caroline Robertson of the School of Music.

Tickets are \$22 regular, \$19.50 seniors, \$9.50 full-time students with ID. For tickets and information, call 405-7847.



Simon Shaheen

Opera's Famed Diva Renata Scotto Leads Master Class

Famed opera diva Renata Scotto will lead a Master Class for the School of Music's voice division, Thursday, March 11 from 4 to 7 p.m. in the Ulrich Recital Hall of the Tawes Fine Arts Building. Admission is free and the public is invited to observe.

Scotto, who performs extensively in Europe and the major capitals of the world, brings to mind artistry of a personal expression achieved by very few performers in the performing arts. She is considered an artist who continues to take challenges and score triumphs in an expanding repertory, which spans more than 100 roles.

In addition to an active performing career, she directs opera, teaches masterclasses and co-sponsors a summer academy in Italy. Since 1996, she has dedicated several weeks each season performing with the leading orchestras of the world, giving concerts and Master Classes.

Over the past years, Scotto has presented selected Master Classes at Juilliard School, the Curtis Institute in Philadelphia, Yale University, The Russian Opera Center in Moscow, Tokyo University and the Young Artist Program at La Scala in Milan and at the New York Metropolitan Opera. In 1997, she was a member of the Santa Cecilia Academy Board in Rome.

Scotto continues to add to her activity stage directing after her debut at the Metropolitan Opera of New York in 1986 with "Madama Butterfly". In March 1995 she directed a new production of Verdi's "La Traviata" at the New York City Opera, which was telecast nationwide over PBS in the "Live from Lincoln Center" series. For this she won an Emmy Award for Best Live Music Event in Television.

In 1997 she opened the Renata Scotto Opera Academy in Albisola Marine, co-sponsored by the Italian Government, Region of Liguria and the town of Albisola Marina in Italy. The Academy's activity takes place each year between July and August on the beautiful shores of the Italian Riviera.

Her future engagements include the role of Flora in Menotti's "The Medium," which she will direct at the Teatro Regio of Torino.

For additional information, please call 405-1150.



Renata Scotto

Ying He is First ISR/General Electric Fellowship Awardee

continued from page 1
develop through their research in ISR. We look forward to working even more closely with GE on projects of mutual interest."

He's ISR advisers are Professor Michael Fu (BMGT/ISR) and Professor Steve Marcus (EE/ISR). Houpt is overseeing He's research as a technical liaison. The research focuses on modeling, simulation and control of stochastic systems, with applications in manufacturing and communication networks.

He is a team member of the Integrating Product Dynamics and Process Models (IPDPM) project sponsored by the National Science Foundation and the Semiconductor Research Corporation. She is developing new approaches to operational decision making. Although her current research is oriented to semiconductor manufacturing, the methodology can also be applied to other stochastic systems, such as channel allocation and call admission in communication systems.

He's research provides decision support that enables efficient manufacturing for the right products at the appropriate time. This has both theoretical and practical importance.

Stochastic control, Markov Decision Process (MDP) models and dynamic programming are applied to the development of techniques that integrate product and market dynamics into operational decision-making algorithms.

In particular, MDP models use aggregate fab models, and include life cycle dynamics such as technology shrink, modular implementation and learning. The core problems are large-scale state aggregation, uncertainty integration and learning. Upon completion of the model and corresponding solution approaches, He will consider risk sensitive and adaptive MDP solution algorithms.

ISR's industrial fellowship program offers industry a unique opportunity to participate in its research and education programs through sponsoring graduate students as ISR/Industry Fellows for a period of three years. ISR/Industry Fellowships support the development of students skilled in state-of-the-art systems engineering approaches, promote student participation in research strongly oriented toward practical and strategic problems identified by industry, strengthen the technical interaction between the ISR

and sponsoring companies, promote the rapid transfer of technology, and facilitate the commercial exploitation of knowledge.

For more information about ISR's industrial fellowship program, visit the ISR web site at www.isr.umd.edu/ISR/industry/IndFellowPgm.html or contact ISR's Assistant Director for External Affairs Jeffrey Coriale at 405-6604, coriale@isr.umd.edu.

The Institute for Systems Research (ISR) is a permanent, interdisciplinary research unit of the A. James Clark School of Engineering. It is a global leader and innovator in the integrated design for control of complex engineering systems.

At the ISR, faculty and students from 11 academic departments partner with industry and government to create a cross-disciplinary research and learning environment unparalleled at other U.S. universities. Research is conducted in teams composed of students, faculty and practicing engineers. They integrate control, communications and computation with physical and process knowledge. The results are better systems, methodologies and products.

for your interest

events • lectures • seminars • awards • ect.

Culture and Society

The Mini-Center for Teaching Interdisciplinary Studies of Culture and Society Spring 1999 series of talks and workshops is taking place Mondays, from 4-5:30 p.m. in Room 2137 Taliaferro Hall. The events for April 5-May 3 will take place in Room 3140 Engineering Building.

Offered as a part of AMST629V (Teaching Strategies in Cultural Studies), these events are open to interested faculty and graduate teaching assistants. For a detailed list of events, please visit: otal.umd.edu/amst/mini-center/spring99.html.

The Mini-Center is sponsored by the Center for Teaching Excellence, College of Arts and Humanities and the department of American Studies, with additional support from the departments of Afro-American studies, anthropology, women's studies, the Asian American studies project and the Office of Human Resources.

Contact Sandor Vegh, department of American Studies, at 405-1354, or e-mail veghs@otal.umd.edu for more information.

Winterterm Abroad 2000

This past Winterterm the university had six very successful programs abroad. If you would like to develop a Winterterm program abroad please contact Rick Weaver at 314-7747 or via e-mail, rweaver@deans.umd.edu, as soon as possible. The application deadline is March 15.

The university must publicize offerings no later than May 1, and a minimum of six weeks is needed for planning to develop budgets and logistics.

Winterterm programs abroad in January 2000 will face two challenges. Due to concerns about Y2K, it will be difficult to recruit students for travel close to Jan. 1, 2000. Additionally, it will be difficult to make travel arrangements around New Year's Day due to the expectation of an extraordinary travel peak with the millennium.

Programs will probably need to consider beginning with class work at Maryland during the first week of January followed by the program overseas.

Relocation of the Comptroller Office

The Office of the Comptroller will be relocating to the Chesapeake

Building from its current space in the Service Building. The move process will be completed in three phases, the first of which has already taken place. Please make note of the dates and times that operations will be interrupted.

All individual telephone numbers will not change.

Phase 1

Office Closed Wednesday, Feb. 24, 3:30 p.m. Service Resumed Monday, March 1, 8:30 a.m.

Units: New Address

Comptroller and Assistant

Comptroller Suite 4100

Cost Accounting, Property Accounting Suite 4101

General Accounting, Plant Fund Accounting Suite 4113

Note: Working Fund operations have resumed in the new location, Room 4113-A, Chesapeake Building.

Phase 2

Office Closes Wednesday, March 3, 3:30 p.m. Service Resumes Monday, March 8, 8:30 a.m.

Units: New Address

Contract & Grant Accounting Suite 4101

Information Systems Group Suite 4110

Phase 3

Office Closes Thursday, March 25, 3:30 p.m. Service Resumes Monday, March 29, 8:30 a.m.

Units: New Address:

Accounts Payable Suite 3101
Systems Control Suite 3101

4th Friday Makes House Calls

In lieu of his monthly Customer Service Refresher sessions, Campus Visitor Advocate Nick Kovalakides is now making "house calls," i.e., he'll be happy to help you and your front-line staff at your place. And it's still free. Just call him for the particulars 314-9893.

Women's Growth Group

A Women's Growth Group is now meeting with prospective members. The growth group provides an opportunity for University of Maryland women students to improve their relationships with partners, friends and family, practice effective communication skills and better understand themselves in a supportive environment. The Women's Growth Group, sponsored

by the Counseling Center, meets Thursdays from 4:30-8 p.m. for eight weeks beginning March 11 and is limited to eight women. Interested women should call the Counseling Center at (301) 314-7651 to sign up for an informational interview.

Chilean Embassy Wine Reception Invitation

Faculty, staff, alumni, students and friends, the College of Education Alumni Board cordially invites you and your guests to "An Evening at the Embassy of Chile," 1732 Massachusetts Avenue, N.W., Washington, D.C., 20036. The Chilean wine reception, buffet and program is Friday, March 19 at 6:30 p.m. The cost is \$35 per person and includes valet parking.

If interested, please RSVP by March 13 to Gail Mickie, Dean's Office, College of Education, at 405-2340.

Art Gallery Roundtable

The fifth annual roundtable, "Visions & Narratives from the Mid-20th Century Lens," takes place Friday, March 5 at 1 p.m. in the Rouse Room of Van Munching Hall. Sponsored by The Art Gallery and the department of art history and archaeology, the roundtable is an opportunity for scholars, artists and collectors to contribute to a better understanding of developments in mid-century photography. The keynote address will be provided by Abigail Solomon-Godeau.

For more information, contact Chris Slogar (slogar@wam.umd.edu) or visit The Art Gallery's website for registration information www.inform.umd.edu/ArtGal; under Current Exhibitions-Chiaroscuro - Roundtable)

Terrapin Pride Day

The university community is invited to join other faculty, staff, students, parents and alumni for the third annual Terrapin Pride Day Monday, March 8 in Annapolis. The program begins at 5 p.m. at the Annapolis Marriott Waterfront Hotel, located at 80 Compromise Street. There will be a rally, visits to legislators and a 6:30 p.m. reception in the Governor's Reception Room in the State House. Meet us in Annapolis or catch a bus in front of Cole Field House at 3:30 p.m.

Get more information, register to attend, and make shuttle bus reservations at www.inform.umd.edu/SupportUM or by calling 314-7884.

DI Student Essay Contest

The Diversity Initiative would like faculty and staff persons to announce and disseminate information on the Annual Student Essay Contest in classroom or work settings. Who can apply? Both undergraduate and graduate students who attend the University of Maryland are invited to submit essays that

focus on the following question: From your perspective, what do you think is the role of White people in addressing issues of inequity and discrimination?

Winners will be selected based upon their ability to do the following: write their thoughts in clear, concise and grammatically correct format; demonstrate comprehensive understanding of the topic; or thoughtfully choose and creatively relate their experiences with diversity at the University of Maryland as they pertain to the essay question.

First Prize: \$300, Second prize: \$200, Third prize, \$100.

To apply, please send a complete entry form and 600- to 800-word essay by Friday, March 12, to:

Diversity Initiative Student Essay Contest

c/o Mark Brimhall-Vargas

Office of Human Relations

Programs

1130 Shriver Laboratory, East Wing

College Park, MD 20742

301-405-2838 phone

301-314-9992 fax

mb333@umail.umd.edu email

Additional entry forms may be obtained at the Office of Human Relations Programs at the above address or on the student's link to the Diversity Initiative website www.inform.umd.edu/Diversity/Initiative. If you would like a form mailed to you, please call or e-mail Mark Brimhall-Vargas (see above).

Senior Summer Scholarship

Applications are being accepted until March 12 for the 1999 Senior Summer Scholarship Program. The program will provide scholarships of \$2,500 to approximately 30 outstanding seniors, as well as three credit hours of summer tuition.

Awardees are expected to submit research reports to the Dean for Undergraduate Studies at the end of the summer and to participate in the SSS forum in the fall.

The program is sponsored by the Office of the Dean for Undergraduate Studies, 2130 Mitchell Building. For more information, contact Maryam Chinisaz, 405-9342, or Tawanna Gaines, 405-9355.

Health Communication

Thomas Valente, department of population and family health services, Johns Hopkins University, presents his research on health communication, "Mass Media and Interpersonal Influences on Behavior: Results from the Bolivia Reproductive Health Campaign," Friday, March 5, from noon to 1 p.m., in Room 0104 Skinner Building. His colloquium is sponsored by the department of communication.

For questions, please contact Shawn Parry-Giles, 405-6527 or sp172@umail.umd.edu.